**Index of Claims** 



Application/Control No.

10/790,927

Examiner

Minh-Chau T. Pham

Applicant(s)/Patent under Reexamination

JHA ET AL.

**Art Unit** 

1724

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| 1 | Interference |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim  | Date       |          |              |          |  |          |              |  |               |  |
|---|--|------------|----------|--------------|----------|--|----------|--------------|--|---------------|--|
|   | l .  | Π          | Г        |              | Г        | T  | Т        | Т            | Г  | T             |  |
| Final   | Original   | 4/28/06    |          |              |          |  |          |              |  |               |  |
| 1   | 1  | =          |          |              |          | Т  |          |              | ı  |               |  |
| 2   | 2  | Ξ          |          |              | Г        | T  |          | T            | 1  | $\overline{}$ |  |
| 3   | 3  | =          | T        | m            | ┢        | T  | 1        | 1            | ┼  | <del> </del>  |  |
| 1   | 4  | ╘          | H        | ┢            | $\vdash$ | $\vdash$   | ╁        | ╁            | ├  | +-            |  |
| -   | -  | =          | ╁        | ⊢            | -        | ╁  | ┼-       | ⊢            | $\vdash$   | $\vdash$      |  |
| <u>-چ</u>   | 1<br>2<br>3<br>4<br>5<br>6   | Ε-         | ⊢        | ⊢            | ⊢        | ⊢  |          | ├            | ├  | ├             |  |
| 2<br>3<br>4<br>5<br>6<br>7                              | <u> </u>   | Ι <u>-</u> |          | _            | <b>.</b> | -  | ⊢        | ⊢            | ⊢  | ├             |  |
| <u> </u>  | 7  | =          | _        | _            |          | ├-   | ┡        | <del> </del> | -  | <u> </u>      |  |
| 8   | 8  | =          | <u> </u> | ┞-           | ⊢        | <u> </u>   | <u> </u> | _            | _  | ļ             |  |
| 9   | 9  | =          | L        | <u> </u>     | <u> </u> | ↓_   | ┡        | Ļ            | <u> </u>   | <u> </u>      |  |
| 10  | 10   | ᆖ          | _        |              | L.       | <u> </u>   | Ļ        | ╙            | ╙  | <u> </u>      |  |
| 11  | 11   | =          | _        | L.           |          | ┖  | L        | L            | L  | <u> </u>      |  |
| 12  | 12   | =          | <u></u>  |              | <u></u>  | $oxed{oxed}$                                     |          | $oxed{oxed}$ | <u> </u>   | L             |  |
| 13  | 13   | =          | <u></u>  |              | _        | L_   | <u> </u> | $oxed{oxed}$ | <u> </u>   | $\Box$        |  |
| 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | =          |          | $oxed{oxed}$ | oxdot    | ļ  | <u> </u> | <u> </u>     | oxdot  | Ш             |  |
| 15  | 15   | =          |          | <u> </u>     | _        | <u>L</u>   | <u> </u> | <u> </u>     | <u> </u>   |               |  |
| 16  | 16   | =          | L        | L            | 匚        | L  | <u> </u> |              | _  | L             |  |
| 17  | 17   | =          | L        | Ь.           | _        | <u> </u>   |          |              | L  | <u> </u>      |  |
| 18  | 18   | =          | <u> </u> | L            |          |  |          |              |  |               |  |
| 19  | 19   | =          |          |              |          |  |          |              |  |               |  |
|   | 20   |            |          |              |          |  | L        |              |  |               |  |
|   | 21   |            |          |              |          |  |          |              |  |               |  |
|   | 22   |            |          |              | L        | _  |          |              |  |               |  |
|   | 22<br>23<br>24<br>25<br>26   |            |          |              |          |  |          |              |  |               |  |
|   | 24   |            |          |              |          |  |          |              |  |               |  |
|   | 25   |            |          |              |          |  |          |              |  |               |  |
|   | 26   | <u> </u>   |          |              |          |  |          |              | L  |               |  |
|   | 27   |            |          |              |          | L.   |          |              |  |               |  |
|   | 28<br>29   |            |          |              |          |  |          |              |  |               |  |
|   | 29   |            |          |              |          |  |          |              | Π  |               |  |
|   | 30   |            |          |              | _        |  | П        |              |  |               |  |
|   | 30<br>31   |            |          |              |          | Г  |          |              |  |               |  |
|   | 32   |            |          |              |          |  |          | Г            |  | П             |  |
|   | 33   |            | $\Box$   |              |          |  | Ī        |              |  |               |  |
|   | 34   |            | Г        |              | $\Box$   | Τ  |          | $\Box$       | 1  | М             |  |
|   | 33<br>34<br>35   |            |          |              |          |  | 1        | _            |  | Н             |  |
|   | 36   |            |          |              |          |  | T        | <u> </u>     |  | H             |  |
|   | 37   |            | _        |              | <u> </u> | $\vdash$   | m        |              | $\vdash$   | Н             |  |
|   | 38   |            | _        | М            | $\vdash$ |  | $\vdash$ |              |  | Н             |  |
|   | 39   |            |          |              |          | <u> </u>   | $\vdash$ | <u> </u>     |  | Н             |  |
|   | 40   | $\vdash$   |          | П            |          | <del>                                     </del> | $\vdash$ | T            | $\vdash$   | Н             |  |
|   | 41   |            |          | г            | $\vdash$ |  |          | $\vdash$     | <del>                                     </del> | Н             |  |
| 7   | 42   |            |          |              |          | $\vdash$   | <u> </u> |              |  | Н             |  |
|   | 43   |            | i        |              |          |  |          |              |  |               |  |
|   | 44   | $\Box$     |          |              | _        | <u> </u>   | _        |              | Н  | Н             |  |
|   | 45   | $\vdash$   | П        |              |          |  | Т        | ┢            |  | $\vdash$      |  |
|   | 46   |            |          |              |          |  |          |              | П  | $\dashv$      |  |
|   | 47   | П          |          |              |          |  |          | _            |  | H             |  |
|   | 48   | П          | $\dashv$ |              |          |  |          |              | Н  | Н             |  |
|   | 49   |            |          |              |          |  | _        | _            | _  | $\dashv$      |  |
|   | 50   |            |          | -            |          | _  |          | -            | М  | $\dashv$      |  |

|       | 1 = 51 52 53 54 55 55 55 55 56 55 56 55 56 55 56 55 56 57 58 59 60 60 60 60 61 11 62 63 34 64 44 64 62 63 34 64 44 64 44 64 64 65 66 66 66 67 77 72 72 72 72 72 73 73 74 74 7 |          |          |   |   |            |    |   |   |   |            |       |          |              |  |   |          |          |            |   |        |   |
|-------|---|----------|----------|---|---|------------|----|---|---|---|------------|-------|----------|--------------|--|---|----------|----------|------------|---|--------|---|
| Cla   | mir   | -        | _        | - | ! | <u>pat</u> | e_ | _ | _ |   | 4          | Cla   | aim      | <b>—</b>     | _  |   | _ [      | Dat      | <u>e</u> _ | _ | _      |   |
| Final | Original  | 4/28/06  |          |   |   |            |    |   |   |   |            | Final | Original |              |  |   |          |          |            |   |        |   |
| 1     | 1   | =        |          |   |   |            |    |   | Ī |   | 1          |       | 51       |              |  |   | Г        | $\vdash$ |            |   | $\Box$ |   |
| 2     | 2   | Ξ        |          |   |   | $\vdash$   |    | Г | ऻ |   | 1          |       |          |              | $\neg$   |   | $\vdash$ |          |            | _ | Т      | П |
| 3     | 3   | =        |          |   |   |            |    |   |   |   | 1          |       |          |              |  |   |          | T        |            |   |        |   |
| 4     |   | =        |          |   | П |            |    |   |   |   | 1          |       |          | $\Box$       |  |   |          |          | Г          |   |        |   |
| 5     | 5   | Ξ        |          |   |   |            |    |   |   |   | 1          |       |          |              |  |   |          | Г        | Г          | Г | Г      | П |
| 6     | 6   | =        |          |   |   |            |    |   |   |   | 1.         |       |          |              |  |   |          |          | T          | Г |        | П |
| 7     | 7   | =        |          |   |   | Т          | Г  |   |   |   | 1          |       |          | П            | 一  |   | Г        |          |            |   |        | П |
| 8     | 8   | =        |          |   |   |            | Г  |   |   |   | 1          |       |          |              | 一  |   |          |          |            |   |        | П |
| 9     | 9   | =        |          | Г | Г |            |    |   |   |   | 1          |       |          |              | $\neg$   |   |          |          |            |   |        | П |
| 10    | 10  | =        |          |   | П |            | Г  | П |   |   | 1          |       | 60       | M            | T  |   |          |          |            |   |        |   |
| 11    |   | =        |          |   |   |            |    | Г | П | Г |            |       | 61       |              |  |   | Г        |          |            |   |        | П |
| 12    |   | =        |          |   |   |            |    |   |   |   | 1          |       | 62       | П            | ヿ  | _ |          |          |            |   |        | П |
| 13    |   | II       |          |   |   |            |    |   |   |   |            |       |          |              | ヿ  |   |          |          | Г          |   |        |   |
| 14    |   | II       |          |   |   |            |    |   |   |   | ]          |       | 64       | П            |  |   |          |          |            |   |        | П |
| 15    |   | II       |          |   |   |            |    |   |   |   | ) i        |       | 65       | П            | T  |   |          |          |            |   |        | П |
| 16    |   | ı        |          |   |   |            |    |   |   |   | ] [        |       | 66       | П            | $\neg$   |   |          |          |            |   |        | П |
| 17    |   | II       |          |   |   |            |    |   |   |   | ]          |       |          |              |  |   |          |          |            | Г | П      | П |
| 18    |   | =        |          |   |   |            |    |   |   | Γ | 1          |       | 68       | П            | $\neg$   |   |          |          |            |   |        |   |
| 19    |   | =        |          |   |   |            |    |   |   |   | 1          |       | 69       |              | $\neg$   |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       | 70       |              |  |   |          |          |            |   | П      |   |
|       |   |          |          |   |   |            |    |   |   |   | ]          |       | 71       | П            |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | ] [        |       | 72       |              |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | 1 [        |       | 73       | П            |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       | 74       |              | T  |   |          | Г        |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | ] [        |       | 75       |              |  |   |          | Г        |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | 1 [        |       | 76       |              |  |   |          |          |            |   | П      |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       | 77       |              | T  |   |          |          |            |   |        | П |
|       | 28  |          |          |   |   |            |    |   |   |   |            |       |          |              | Ī  |   |          |          |            |   |        | П |
| -     | 29  |          |          |   |   |            |    | ì |   |   |            |       | 79       |              |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       | 80       |              |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       |          |              | $\neg$   |   |          |          |            |   | П      |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       | 82       |              |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | ] [        |       |          |              | $\neg$   |   |          |          |            |   |        |   |
|       | 34  |          |          |   |   |            |    |   |   |   |            |       | 84       |              | $\neg$   |   |          |          |            |   |        |   |
|       | 35  |          |          |   |   |            |    |   |   |   | ] [        |       | 85       |              | П  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | ] [        |       |          |              |  |   |          |          |            |   |        |   |
|       |   |          |          |   |   |            |    |   |   |   | ] [        |       |          |              |  |   |          |          |            |   |        |   |
|       | 38  |          |          |   |   |            |    |   |   |   |            |       |          |              |  |   |          |          |            |   |        |   |
|       | 39  |          |          |   |   |            |    |   |   |   |            |       |          |              | Ţ  |   |          |          |            |   |        | П |
|       |   |          |          |   |   |            |    |   |   |   | [          |       | 90       |              | $\Box$   |   |          |          |            |   |        |   |
|       |   | $\Box$   | ]        |   |   |            |    |   |   |   | [          |       | 91       |              | $\Box$   |   |          |          |            |   |        |   |
| ]     | 42  | ]        | [        |   |   |            |    |   |   |   | [          |       | 92       |              |  |   |          |          |            |   |        |   |
|       | 43  | _        |          |   |   |            |    |   |   |   | [ <u>[</u> | I     | 93       |              | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |   |          |          |            |   |        |   |
|       | 44  |          |          |   |   |            |    |   |   |   |            | ]     | 94       | $\Box$       | $\Box$   |   |          |          |            |   |        |   |
|       | 45  |          |          |   |   |            |    |   |   |   | [          |       | 95       |              | $oldsymbol{\mathbb{I}}$  |   |          |          |            |   |        |   |
|       | 46  |          |          |   |   |            |    |   |   |   | [          | ]     | 96       |              | $oldsymbol{\mathbb{I}}$  |   |          |          |            |   |        |   |
|       | 47  | $\dashv$ | $\dashv$ |   |   |            |    | ] |   |   |            |       | 97       |              |  |   |          |          |            |   |        |   |
|       | 48  |          |          |   |   |            |    |   |   |   |            |       | 98       |              |  |   |          |          |            |   |        |   |
|       | 49  | ļ        | ļ        |   |   |            |    |   |   |   | [          |       | 99       | $oxed{oxed}$ | $\Box$   |   |          |          |            |   | $\Box$ |   |
|       | 50  |          |          |   |   |            |    |   |   |   |            | I     | 100      |              |  |   |          |          |            |   | $\Box$ |   |
|       |   |          |          |   |   |            |    |   |   |   |            |       |          |              |  |   |          |          |            |   |        |   |

| Cla   | aim                             | Г            |          |                   |          | Dat   | <u>-</u>       |          |                |          |
|-------|---------------------------------|--------------|----------|-------------------|----------|---|----------------|----------|----------------|----------|
|       | 1                               |              |          |                   |          | Γ   |                |          |                | П        |
| Final | Original                        |              |          |                   |          |   |                |          |                |          |
| 证     | ij                              |              | 1        |                   |          |   |                |          | l              |          |
|       |                                 |              | ŀ        |                   |          |   |                |          |                |          |
|       | 101<br>102<br>103               |              |          |                   |          |   |                |          |                |          |
|       | 102                             |              |          |                   |          |   |                |          |                |          |
|       | 103                             |              |          |                   |          |   |                |          |                |          |
|       | 104                             |              |          | L                 |          |   |                |          |                |          |
|       | 104<br>105<br>106               |              |          |                   |          |   |                |          |                |          |
|       | 106                             | L            |          | L.                |          |   |                |          |                |          |
|       | 107                             | $oxed{oxed}$ |          |                   | _        | <u> </u>  |                |          | L              |          |
|       | 108                             |              |          | L                 | <u>_</u> | L   |                |          | ┖              |          |
|       | 109                             |              |          |                   | L        |   |                | L        | L              | Ш        |
| L     | 110<br>111                      |              |          | 匚                 | _        | <u> </u>  |                |          | 乚              |          |
|       | 111                             | <u> </u>     | L        | L                 |          | L   | L              | L        |                | Ш        |
| Ш     | 112                             | <u> </u>     |          | <u> </u>          | <u> </u> | <u> </u>  |                | L        |                | Ш        |
| Ш     | 113                             | <u></u>      |          |                   | <u> </u> | <u> </u>  | <u></u>        | _        | <u> </u>       | Ш        |
|       | 112<br>113<br>114<br>115<br>116 | <u> </u>     |          |                   | <u> </u> | $ldsymbol{le}}}}}}$ |                | L_       | <u> </u>       | Ш        |
|       | 115                             | _            |          |                   | _        | L   |                | _        |                | Ш        |
|       | 116                             | L            |          | ļ                 | <u> </u> | <u> </u>  | L_             | <u> </u> |                | Ш        |
|       | 117                             | _            | 匚        | $ldsymbol{f eta}$ | L_       | <u> </u>  | _              |          |                | Щ        |
|       | 118<br>119                      |              |          | _                 | L_       | <u> </u>  | _              |          |                | Ш        |
|       | 119                             | L            | <u> </u> |                   |          |   |                | _        | L              |          |
|       | 120                             |              | _        | L                 |          | _   | <u> </u>       | _        | L_             |          |
|       | 121<br>122                      | _            |          | _                 | _        | _   | <u> </u>       |          |                |          |
|       | 122                             | _            |          |                   | L        | 匚   |                |          | _              |          |
|       | 123<br>124<br>125               |              | L.       |                   |          |   | <u> </u>       | _        |                |          |
|       | 124                             |              |          | L.                |          |   |                | <u> </u> | <u> </u>       | Ш        |
|       | 125                             | <u> </u>     |          |                   |          |   |                | <u>L</u> | _              | Ш        |
|       | 126                             |              |          |                   |          |   |                |          | <u> </u>       | Щ        |
|       | 126<br>127<br>128               |              | _        | _                 |          |   |                |          | _              | Ш        |
|       | 128                             |              | <u> </u> | L.                |          |   |                | _        |                | Ш        |
|       | 129<br>130                      | _            | _        | <u> </u>          |          | _   |                |          |                | Щ        |
|       | 130                             | _            |          | <u> </u>          |          | <u> </u>  | <u> </u>       | _        |                | Щ        |
|       | 131                             | <u> </u>     | <u> </u> | L                 | _        |   |                | _        |                | Н        |
|       | 132<br>133                      | -            | <u> </u> | L                 | _        | _   | _              | _        |                | Н        |
|       | 133                             | _            | _        | <u> </u>          | _        | <u> </u>  | _              | _        |                | Н        |
|       | 134<br>135                      | _            | _        |                   | _        | <u> </u>  | <u> </u>       | <u> </u> |                | Н        |
|       | 133                             |              |          | -                 |          | <u> </u>  | ├              | <u> </u> | H              | Н        |
|       | 136                             | $\vdash$     | $\vdash$ | -                 | -        | <del> </del>  | <u> </u>       | $\vdash$ | $\vdash$       | Н        |
|       | 137<br>138                      | <b>-</b> -   | $\vdash$ | $\vdash$          |          | $\vdash$  | <del>  -</del> | <u> </u> | -              | Н        |
|       | 138                             | <u> </u>     | H        | $\vdash$          | <u> </u> | <u> </u>  | <del> </del>   | <u> </u> | $\vdash$       | Н        |
|       | 140                             | $\vdash$     | H        | $\vdash$          |          | -   | $\vdash$       | $\vdash$ | $\vdash$       | Н        |
|       | 141                             | $\vdash$     | $\vdash$ | $\vdash$          |          | H   | $\vdash$       | $\vdash$ | <del> </del>   | -        |
|       | 142                             | -            | -        | Н                 | -        | <del>  </del>   | $\vdash$       | Н        | <b>-</b>       | Н        |
|       | 143                             |              | -        | Н                 | _        | H   | <u> </u>       | $\vdash$ | $\vdash$       | Н        |
|       | 144                             | <u> </u>     |          | $\vdash$          |          | -   | <u> </u>       | Н        | $\vdash\vdash$ |          |
|       | 145                             | -            |          |                   |          | <del>  </del>   | $\vdash$       | $\vdash$ | Н              |          |
|       | 146                             |              |          | $\vdash$          |          |   | $\vdash$       | $\vdash$ | $\vdash$       | $\dashv$ |
|       | 147                             |              | H        |                   |          |   | -              | Н        | $\vdash$       |          |
|       |                                 |              |          |                   | -        |   | <u> </u>       |          | $\vdash\vdash$ | $\dashv$ |
|       | 148<br>149                      |              | $\vdash$ | $\vdash\vdash$    | _        |   |                | $\vdash$ | Н              | $\dashv$ |
|       |                                 |              | $\vdash$ | -                 |          |   |                |          |                | Щ        |
| 1     | 150                             |              |          | $\Box$            |          |   |                |          |                |          |